Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

- (Canceled)
- 2. (Currently Amended) The method for clarification of sludge of claim 6, wherein the specific ray is a ray which has a wavelength of the range from the ultraviolet ray region to the near-ultraviolet ray region.
- 3. (Currently Amended) The method for clarification of sludge of claim 6, wherein waste fluid-raw solutionthe discharge waste sludge is wash water from a pigshed, a cowshed or a chicken house, or waste wash water from a butchery, or a processed foods liquid of an over relishing period, such as coffee, Sake or Shochu.
- 4. (Currently Amended) The method for clarification of sludge according to claim 1 claim 6, wherein solidsolids obtained by athe solid-liquid separator and athe first filtration apparatus is used as a soil conditioner.
 - 5. (Canceled)
- 6. (New) A method for clarifying a sludge, comprising the steps of:

recovering a discharged waste sludge;

separating the discharged waste sludge into a solids fraction and a liquid fraction in a solid-liquid separation unit;

recovering the liquid fraction from the solid-liquid separation unit;

passing the recovered liquid fraction through a first filtration apparatus to obtain a first filtrate and a first solids residue;

recovering the first filtrate from the first filtration apparatus;

simultaneously ozonizing the first filtrate and irradiating the first filtrate directly with a specific ray to obtain a first treated liquid;

recovering the first treated liquid;

passing the first treated liquid through a second filtration apparatus to obtain a second filtrate and a second solids residue;

recovering the second filtrate from the second filtration apparatus;

simultaneously ozonizing the second filtrate and irradiating the second filtrate directly with the specific ray to obtain a second treated liquid;

recovering the second treated liquid; and passing the second treated liquid through a third filtration apparatus to obtain a product liquid.

- 7. (New) A system for clarifying a sludge, comprising a solid-liquid separation unit for separating a discharged waste sludge into a solids fraction and a liquid fraction;
- a first filtration apparatus for separating the liquid fraction into a first filtrate and a first solids residue;
- a first treatment apparatus for simultaneously ozonizing the first filtrate and irradiating the first filtrate directly with a specific ray to obtain a first treated liquid;
- a second filtration apparatus for separating the first treated liquid into a second filtrate and a second solids residue;
- a second treatment apparatus for simultaneously ozonizing the second filtrate and irradiating the second filtrate

directly with the specific ray to obtain a second treated liquid; and

a third filtration apparatus for separating the second treated liquid into a product liquid and a third solids residue, wherein said first and second treatment apparatuses each comprises specific ray lamps provided parallel to each other and a guide plate for flowing the first and second filtrates in a spiral manner between the specific ray lamps.